

# The GARZETTE

July, 2003

Volume 12, Issue 7



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<i>Special Election Notice</i>	1	As we wish Bill Ahls, AB0KF all the best for his new opportunity in Arizona, the club is left with the need to hold a special election during the August club meeting to fill the vacated President's position.
<i>From the Editor's Desk</i>	1	GARS Club officers will be taking nominations during the next two club meetings (July 8 & August 12) to fill Bill's un-expired term. In addition, nominations will be accepted for the unfilled Activities Manager position.
<i>Meeting Minutes for June Club Meeting</i>	2	The duties of each office are described in the by-laws as: The President shall preside at all meetings of the GARS and conduct same according to the rules adopted, he shall enforce due observance of the charter and of these bylaws, decide all questions of order, sign all official documents that adopted by the GARS, be an ex officio member of all committees, and perform all customary duties pertaining to the office of President. The Activities Manager shall be in charge of official activities of the GARS and shall appoint such assistants as may be necessary to assist him in specific fields of activity. He shall cooperate with the ARRL Emergency Coordinator to the best of his ability and shall direct all GARS emergency activities.
<i>GARS Elmers</i>	3	The terms of these positions will expire March 2004 with the induction of the newly elected officers for the 2004-2005 year. Please contact any Club officer or committee chairperson if you are interested in running for either position, or if you wish to nominate another club member.
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## FROM THE EDITOR'S DESK

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I am sure you have heard by now...but in case you haven't...congratulations to Andrea Hartlage, KG4IUM, who has been selected as the ARRL Youth Editor. Look for Andrea's articles on the ARRL web site and QST Magazine.

Finally, as you can see above, we will be having a special election in August to fill two very critical roles for the club. Whether you have been a GARS member for a number of years, or you are new to the club, I encourage you to consider pursuing these positions. We have too wonderful a club with such terrific people to not be able to fill these two openings.

## The GARZETTE

**The GARZETTE** is the official monthly organ of the Gwinnett Amateur Radio Society serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriated publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word format or by email to [garzette@gars.org](mailto:garzette@gars.org). Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of **The GARZETTE** articles by other amateur radio club newsletters provided that proper credit is given to the individual author and to **The GARZETTE**.

**The GARZETTE** is created on an IBM ThinkPad 770 - 200 MHz computer using Microsoft Publisher 2000 and Microsoft Office 2000.

The GARZETTE is published each month with the assistance of Hal Manning, who prints the news letter. Rick Patchin, KD4RFK does the final production work on The GARZETTE by folding & labeling. John A. Davis, WB4QDX, stamps and gets the end product to the Post Office each month. Paul McInnish, K4BET who manages email delivery. Many thanks to each of them and all article contributors.

Deadline for submissions is the 25th of each month for inclusion in the following month's issue.

For any additional information contact:

Newsletter Editor:

Colin Glennan, KG4QGD  
(404) 915-8380  
[kg4qgd@gars.org](mailto:kg4qgd@gars.org)

All correspondence relating to articles posted in **The GARZETTE** or for information concerning advertising rates should be directed to the following address:

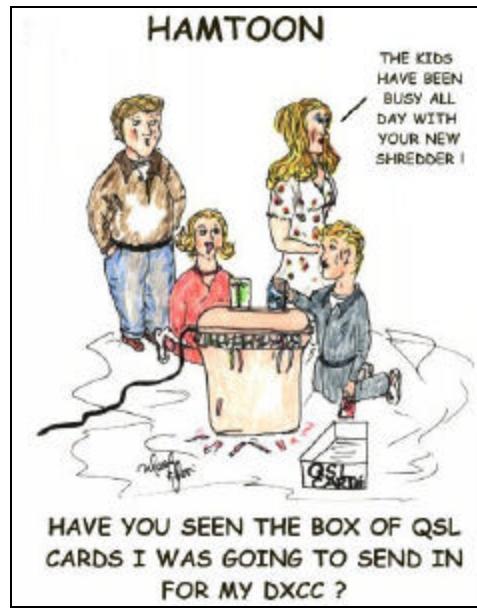
Gwinnett Amateur Radio Society  
P.O. Box 88  
Lilburn, GA 30048  
Attn: Newsletter Editor

## GARS MEETING MINUTES

June 10, 2003

- Vice-President Carl Plotz opened meeting at 7:35pm.
- Introduction of Officers and Committee Chairmen
- Introduction of Members
- ARRL Announcements by Sandy Donahue - W4RU:
  - Andrea, KG4IUM has been appointed Youth Editor ARRL.org
  - Susan AF4FO – has been re-elected as Section Manager for ARRL
- Secretary Report:
  - Meeting Minutes for April and May as published in the Garzette approved
- Treasures Report
  - No unusual spending
  - Treasurers Report approved
- Venture Crew Report
  - Steve, WB2OGY - Venture crew will have membership forms at field day.
  - Membership is open for youth ages 14 to 21.
- Activities Report
  - Ron, WE5O made a request for ideas of meeting programs.
- ARRL Announcements from Susan - AF4FO -
  - Bill WB4WTN appointed State Government Liaison for ARRL.
- Eddie, WD4JEM recognized hams that helped with Buford 5K run
- Meeting Break at 8:05
- Program: Field Day by David, KA4KKF
- *Meeting adjourned at 9:15*

*Submitted by:*  
J. Morgan Ringold, KG4PAN  
GARS Club Secretary



## July Meeting Program

The program will be a QRP demo and discussion by Mike Boatright, KO4WX. Among other HAM activities, Mike is the Managing Editor of *QRP Quarterly*, the official magazine for QRP Amateur Radio Club International.

Looking forward to seeing everyone at the meeting.



## July Birthdays

WB4WTN	Bill Cherepy	2
KE4OSR	Charlotte Matchette	7
WB4RPM	Bob Mauney	9
KD4JVG	Gregg Bates	10
K9CMP	Charles Parkhurst	11
KG4BNR	Richard Klein	11
KF4YSU	Dan Keohan	12
KG4PAN	Morgan Ringold	12
W4IXN	Richard Barnes	12
KE4OWF	Dwight Bronnum	13
W4WKP	John Fearon	16
KM4Z	Lowry Rouse Jr	17
N2VG	Victor Gann	17
KE4AXE	Mary Ann Flack	22
KG4MXI	David Herron	23
KG4VHX	Adrian Altine	24
N4NQ	Sid Weaver	29
W8CRU	Steve Kacinec	31



For the latest club news, visit the GARS Website at:

[www.gars.org](http://www.gars.org)

## Club Calendar

- GARS Monthly club meeting is the 2nd Tuesday of the month at 7:30 PM. We meet at the First United Methodist Church in Lawrenceville.
- GARS Monthly exec meeting is the 1st Thursday of the month at 7:30 PM. We normally meet at the Gwinnett Justice & Administration Building in Lawrenceville. Anyone interested is welcome to attend.
- Every Monday at 8 PM local time: GARS Want, Swap, Sell, and Information Net on the GARS 2 meter repeater
- Every Tuesday at 8 PM local time: GARS CW Practice Net with WE5O (not on 2nd Tuesdays)
- Every Wednesday at 9 PM local time: GARS 6 meter net on the GARS 6 meter repeater
- Every Saturday at 8:00 AM local time: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville
- 24th of each month: Deadline for submittal of articles for the following month's GARZETTE

## GARS Elmers

Many of us Hams got interested in the hobby as a result of some influence and experienced Ham had on us. The GARS organization is blessed with a lot of talented members that are willing to share their knowledge. The following list is made up of those individuals willing to serve as Elmers. Hopefully, this list will grow, and in time, maybe we'll get more who are willing to add a particular area of expertise.

KF4KSE David Moon (770) 279-9924  
mobile radio installation

KG4IUM Andrea Hartlage (770) 963-2715  
making QSL cards

Bill Carter, KG4FXG, Mobile CW

### GENERAL INFORMATION:

WE5O Ron Langston (770) 569-8354

N1TWX Win Jackson (404) 869-1347

W4WKP Johnnie Fearon (770) 466-6401

WB2YAD Duane

WB9JSW, Carl

K4MJK Mike Kovak

K4CB Carter Bennett (770) 923-5446

W4ADE Ade Wirth (770) 614-3743

K4HBI Mike Swiderski (770) 449-0369

W8KJM, Barney Barnes (APRS)

If you'd like to be a GARS Elmer, please email the editor of the Garzette at [garzette@gars.org](mailto:garzette@gars.org) or call 404-915-8380.

## CLUB OFFICERS

### President

OPEN

### Vice President

Carl Plotz, WB9JSW

### Secretary

J. Morgan Ringold, KG4PAN

### Treasurer

Dan Keohan, KF4YSU

### Activities Manager

OPEN

## BOARD OF DIRECTORS

Howie Gould, W9HG

Ron Langston, WE5O

David Adcock, KA4KKF

## COMMITTEES

### Membership

John A. Davis, WB4QDX

770-962-6129

### Public Information Officer

Norm Schklar, WA4ZXV

### Newsletter Editor

Colin Glennan, KG4QGD

### License Trustee

Randy Drescher, K4HS

770-925-9549

### Repeater Chairman

Eddie Foust, WD4JEM

### Tech Fest

OPEN

### WAS/VUCC Card Checker

Don Ernest, KS4WR

### Net Manager

Harry Holmes, K4HJH

### Field Day Chair

Harry Holmes, K4HJH

### Education Coordinator

Win Jackson, N1TWX

(404)869-1347

### Fund Raising

OPEN

### Apparel Manager

Dan Keohan, KF4YSU

### Holiday Party Co-Chairs

Carl Plotz, WB9JSW

Mavis Plotz, N9FWG

### QSL Manager

Ade Wirth, W4ADE

(770)614-3743

### Webmaster

Brandon White, NB5E

### Scholarship Chairman

Carter Wood, AG4LK

### CW Net Manager

Ron Langston, WE5O



## Field Day 2003

**Field Day photos courtesy of Ray Back and Greg Mauldin, AF4RZ. To see more go to <http://groups.yahoo.com/group/GARS/> click on photos then click on Field Day 03 AF4RZ or Field Day 2003**



## Where's My eGarzette?

By Paul McInnish, K4BET and John Davis, WB4QDX

Have you been receiving your monthly Garzette by email? Are you missing issues recently? There may be a problem with your email address!

The Garzette is sent each month to members who want to receive it by electronic delivery based on the email address on file with John Davis, WB4QDX, GARS Membership Chairman. When each new Garzette is ready for distribution, these email addresses are used by Paul McInnish, K4BET, to send out the latest issue.

Each month, some emails are returned undeliverable for various reasons. The leading causes include bad email addresses, full mailboxes or a change of email address and the new mailbox is not on file. The use of "freebie" or "low cost" e-mail providers creates problems and bounce-backs, as some of these service providers will outright reject e-mail with an attachment with no apparent warning. Finally some service providers may perceive the Garzette attachment as a virus and reject it. Volunteers Paul and John are unable to track down each returned email or bad address each month. Since electronic delivery was specified, a copy of the Garzette was not sent by regular mail.

If your email address has changed, make sure that the new address is on file. If you're not receiving your Garzette, notify John to get your email address on file or to specify delivery by regular mail. Remember, electronic delivery by email saves money for GARS and ensures the fastest delivery. The email version of the Garzette is also in color.

Last but not least, some folks will use an e-mail forwarding service such as the ARRL. We get quite a few bounce backs because folks change their provider, change their e-mail address, let their membership lapse in ARRL, etc. and guess what... nothing gets forwarded but does get bounced. You have to keep your forwarder updated with ANY changes you make!

To receive your Garzette by email, send your current email address to John Davis at [wb4qdx@arrl.net](mailto:wb4qdx@arrl.net) or Paul McInnish at [k4bet@bellsouth.net](mailto:k4bet@bellsouth.net).



## New 60-Meter Band to Become Available July 3!

*From The ARRL Letter, Vol. 22, No. 23*

*June 6, 2003*

The new five-channel 60-meter amateur allocation becomes available to US Amateur Radio operators at midnight (12:00 AM) local time on July 3. The local time designation means that amateurs in the US territory of Guam likely will be the first to get a crack at the new band.

The new band will be a secondary allocation--federal government users are primary--and the first on which the only permitted mode will be upper-sideband (USB) phone (emission type 2K8J3E). The FCC last month announced it would grant hams access to five discrete 2.8-kHz-wide channels instead of the 150 kHz-wide band ARRL had requested and the FCC initially proposed. The League remains optimistic, however, that Amateur Radio eventually may be able to enjoy a band segment with multiple mode privileges at 60 meters. ARRL CEO David Sumner, K1ZZ, has said that in the meantime hams will have to be on their best behavior when taking advantage of the limited channelized allocation, open to General and higher class licensees.

The FCC has granted amateurs center-channel frequencies of 5332, 5348, 5368, 5373 and 5405 kHz--the last channel common to the amateur experimental operation under way in the United Kingdom <<http://www.rsgb-hfc.org.uk/5mhz.htm>>. To be "on channel," users of 60 meters should set their transmitted carrier frequency 1.5 kHz lower than the channel-center frequency. In terms of day-to-day operation, the new band is expected to resemble the sort of channel sharing typical on local repeaters.

ARRL Laboratory Manager Ed Hare, W1RFI, says hams need to be very careful if they're considering modifying their current transceiver or transmitter for 5 MHz. The ARRL advises that members check with the appropriate equipment manufacturers regarding specific modification information. Some modifications not only may void the warranty but could affect or alter a transmitter's operation in unpredictable ways.

"Hams need to be sure that any modifications put them right on the desired channel," Hare said. "Most hams are used to just having to think about band edges, so on other bands, if a mod were a bit 'off,' all operators would need to ensure is that they are not transmitting outside the band."

Hare recommended that on 5 MHz amateurs remain within "a few tens of Hertz" of suppressed-carrier accuracy. He also pointed out that hams have a mandate not to have any of their signal occupy spectrum outside the assigned 2.8 kHz channels.

Noting that high-frequency audio response can vary considerably from radio to radio, Hare has suggested restricting occupied channel audio bandwidth to 2600 Hz, rolling off below 200 Hz on the low end and above 2800 Hz on the high end.

Last-minute opposition to the granting of a band segment at 5 MHz came last year from the National Telecommunications and Information Administration (NTIA), which cited the ongoing spectrum requirements of federal government licensees having homeland security responsibilities. The NTIA administers spectrum allocated to the federal government. A compromise between the FCC and the NTIA resulted in the limited, channelized allocation.

The NTIA selected the channels the FCC authorized to minimize the possibility of interference to federal government users, and it dictated the use of USB so that federal government users--who also use only USB--could readily identify amateur stations if necessary.

The FCC has set maximum power at 50 W ERP and said it would consider a typical half-wave dipole to exhibit no gain.



## Venture Crew 73

GARS is the charter organization for Boy Scout Venture Crew 73. The crew presently has about a dozen boys and girls from 14 to 20 years old. Approximately half are now licensed. Because of other commitments, our Committee Chairperson and one of our advisers will no longer be able to serve. I'm looking for Adults to fill these positions (as well any youth who want to learn and have fun). The adults are also encouraged to have fun. If interested please contact Steve Back, WB2OGY.

## 5 MHz Allocation Update

From ARRL Bulletin 40 ARLB040  
June 18, 2003

When the five new 60-meter channels become available to US Amateur Radio operators at midnight (12 AM) local time on July 3, the rules will impose a new record-keeping requirement for hams. The requirement applies only to those using something other than a simple half-wave dipole on the 5 MHz allocation.

According to Part 97.303(s), a half-wave dipole on the 5 MHz allocation will be presumed to have a gain of 0 dBd. "Licensees using other antennas must maintain in their station records either manufacturer data on the antenna gain or calculations of the antenna gain," states the newest addition to the FCC's Amateur Service rules.

Because the new rules also require hams to run no more than 50 W effective radiated power (ERP) on the new channels, the choice of antenna becomes an important compliance factor. The FCC rules stipulate, "For the purpose of computing ERP, the transmitter PEP will be multiplied (by) the antenna gain relative to a dipole or the equivalent calculation in decibels."

ARRL has posted a list of frequently asked questions (FAQ) concerning 5 MHz operation on the ARRL Web site, [www.arrl.org/fandes/field/regulations/faq.html#sixty](http://www.arrl.org/fandes/field/regulations/faq.html#sixty).

## FCC Universal Licensing System

By Howie Gould, W9HG

As you should know CORES is the FCC way of doing business with your license.

Everything you want and need to know about your license and others can be found on the ULS page and I am sending you all the web page you need to bookmark for future reference.

If you have not registered with CORES (online) do it now and save yourself a lot of aggravation in the future. You should have a CORES number (FRN) but you need to establish an online registration in order to access your account and make changes and even renew your license. Snail mail is available too but who wants to use it?

<http://wireless.fcc.gov/uls/>

## ARRL Urges Informed Comments in FCC BPL Inquiry

From *The ARRL Letter*, Vol. 22, No. 25  
June 20, 2003

The ARRL is urging amateurs to file well-thought-out, informed comments when responding to the FCC's Broadband Over Power Line (BPL) Notice of Inquiry (ET Docket 03-104). The FCC published its NOI on May 23. The NOI asks how the FCC should regulate the delivery of broadband services to homes and businesses using electrical wiring to conduct high-speed digital signals. While the FCC has dubbed this technology Broadband over Power Line, it's more commonly known as Power Line Carrier or PLC.

BPL would use building and/or overhead power lines to conduct HF and low-VHF digital signals to network computers. The FCC has expressed its unabashed enthusiasm for BPL, which it views as a competitive Internet access point. Utilities consider BPL as another means to use existing infrastructure to generate additional revenue.

The NOI is not asking if BPL technology should be permitted. Under existing FCC rules, BPL systems may be built and used in the US right now. The FCC is asking how the rules might be changed "to promote and encourage new BPL technology," in the words of the NOI.

Present FCC Part 15 rules say that carrier-current systems -- including BPL/PLC--need to meet the general radiated emission limits for unlicensed "intentional emitters." While the rules permit BPL at significant power levels, utilities would prefer that the FCC authorize even higher power levels. BPL systems under development and in field trials use spectrum between 1.7 and 80 MHz, but the NOI also asks whether BPL should operate on other parts of the spectrum as well.

As of mid-June, nearly 1000 comments already had been filed in the proceeding. The ARRL has urged amateurs who comment to outline the important uses they make of Amateur Radio and the impact strong interference from BPL could have at HF and low-VHF amateur frequencies. Electric utility companies will operate many, if not most, BPL systems.

ARRL members who have had experience dealing with power line interference and utilities' responses to complaints also may want to describe those experiences in their comments to the Commission.

Amateurs filing comments to the FCC NOI might want to consider these topics and points:

\* Amateur Radio is a valuable resource that must be protected.

\* Describe the uses you make of Amateur Radio, especially those with a public service or emergency communication aspect.

(Continued on page 7)

## FCC BPL Inquiry

(Continued from page 6)

\* The present FCC Part 15 limits for this technology already can result in substantial interference potential to amateur frequencies.

\* BPL systems that radiate on wide swaths of spectrum and occupy entire neighborhoods have greater interference potential than localized systems, such as switching power supplies or electric motors.

\* The FCC has promised to protect licensed users of the spectrum. We must hold them to that promise.

For more information, see "Understanding the FCC's Broadband Over Power Line (BPL) Notice of Inquiry"

<<http://www.arrl.org/news/features/2003/06/19/2/>>. An ARRL white paper, "Calculated Impact of PLC on Stations Operating in the Amateur Radio Service"

<http://www.arrl.org/tis/info/HTML/plc/files/C63NovPLC.pdf> provides technical details. The ARRL's Broadband Over Power Line resource page contains links to worldwide studies and other resources.

The ARRL has initiated an important Spectrum Defense Fund campaign to support activities to educate government officials on the potential threat that BPL poses to Amateur Radio. To find out more, or to support ARRL's efforts in this area, visit the ARRL's secure BPL Web site

<<https://www.arrl.org/forms/development/donations/bpl/>>.

The complete NOI is available on the FCC Web site

<[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/FCC-03-100A1.doc](http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-100A1.doc)>.

Comments are due on or before July 7, 2003. Reply comments are due on or before August 6, 2003. Interested parties may submit electronically filed comments via the FCC's Electronic Comment Filing System (ECFS)

<<http://www.fcc.gov/cgb/ecfs/>>. Under ECFS Main Links, click on "Submit a Filing." In the "Proceeding" field, enter "03-104" and complete the required field. Comments may be typed into a form or you may attach a file containing your comments. Comments also may be submitted via e-mail, per instructions on the ECFS page.

♦♦♦

## Fighting CC&R's

*From GEORGIA SECTION ON MY MIND July, 2003*

*Susan Swiderski, AF4FO*

That's right. If we don't stand up and express our opinions to our legislators on the "Amateur Radio Emergency Communications Act", then who will? It's up to US to encourage our legislators to sign onto HR 1478, which would, in effect, extend the PRB-1 Federal safeguards to cover private land use.

If you haven't already done so, please write your representative at [www.house.gov/writerep/](http://www.house.gov/writerep/). Most have

*(Continued on page 8)*

## ARRL Becomes an Affiliate Program of Citizen Corps

*From ARRL Bulletin 41*

*June 21, 2003*

ARRL now is an official affiliate program of Citizen Corps, an initiative within the Department of Homeland Security to enhance public preparedness and safety. ARRL President Jim Haynie, W5JBP, signed a formal Statement of Affiliation between DHS and ARRL during the ARRL 2003 National Convention June 21 in Dallas, Texas.

Chief Operating Officer of the Emergency Preparedness and Response Directorate (FEMA) Ron Castlemann represented DHS at the signing.

Citizen Corps Liaison to the White House Liz DiGregorio called ham radio operators the "first of the first responders."

"You are there. You are part of that very, very first response when it happens locally," especially in the initial stages of an emergency or disaster, DiGregorio told the overflow audience at the signing ceremony. She urged amateurs to explore ways to expand their role in the community beyond being the last resort when other communication systems fail. "You need to show your community that you're engaged," she said. "They need to know as a community that ARRL is there."

Among other things, the affiliation statement calls on DHS and ARRL to raise public awareness of Amateur Radio as a safety resource. In addition, DHS and ARRL will cooperate in providing training and accreditation for Amateur Radio emergency communications and promote the formation of local Citizen Corps councils.

♦♦♦

## Fighting CC&R's

(Continued from page 7)

email addresses, and it's very simple to send your letter online. Others (like mine) require snail mail. But however you do it, please..... like the ad says, "Just do it!" You can find a sample letter at <http://www.arrl.org/govrelations/hr1478/>

And it's probably time to respond to a question again that I dealt with in the April, 2002, newsletter. As Georgia hams read in the ARRL bulletins about other states fighting for, and getting, a state PRB-1 bill passed, many wonder, and some ask, why we aren't doing the same thing here in Georgia. I posed the question last year to JIM ALTMAN, W4UCK, and here is his response:

"This seems to pop up every few years. A state PRB-1 is not possible in Georgia. Georgia has an unusual constitutional set-up for zoning. The legislature is barred by the constitution from passing substantive zoning laws. It can only pass laws concerning the procedures used by local governments to enact local zoning laws. The substantive zoning power is a self-executing home rule power not subject to the regulation of the state legislature..... The bottom line is, I am sorry to say, is that it would violate the Georgia constitution to pass such a law in this state."

Bummer, but all the more reason to encourage our representatives in Washington to support HR 1478, wouldn't you say?

❖❖❖

## Making the Meetings Better

You have the opportunity to make our GARS meetings more informative and enjoyable. We are looking for speakers who are knowledgeable and make a good presentation. Their subjects can be ham radio related (a huge spectrum here), or in other technical or civic areas.

If you are interested in coordinating speakers for the meetings, please consider volunteering your time as the Activities Manager in the upcoming special election.

If you thought a speaker and subject were interesting, the rest of us probably would too. Please contact any club officer, or the newsletter editor at [gartzette@gars.org](mailto:gartzette@gars.org) and we will make sure the speaker is contacted and a date set.

## No Morse Code Controversy At WRC-03

*The ARRL Letter, Vol. 22, No. 26*

June 27, 2003

Whatever else happens at World Radiocommunication Conference 2003 (WRC-03), there's no mystery about the delegates' direction regarding the Morse code requirement. Morse code proficiency will disappear as a treaty obligation for high-frequency access when the International Telecommunication Union (ITU)-sponsored gathering under way in Geneva concludes July 4.

"One matter on which there appears to be no disagreement is the Morse requirement," said International Amateur Radio Union (IARU) Secretary (and ARRL CEO) David Sumner, K1ZZ, in a report <<http://www.iaru.org/rel030623.html>> on the second week of activity at WRC-03. "It is clear that the outcome will be to leave it to administrations' discretion whether or not to have a Morse receiving and sending requirement." He said no administration participating in the sub-working group spoke in favor of retaining the Morse code treaty requirement.

The modification of Article 25.5 of the international Radio Regulations cleared Working Group 4C on June 24. Working Group 4C is dealing with this and other proposals relating to Article 25. The modified text says, "Administrations shall determine whether or not a person seeking a license to operate an amateur station shall prove the ability to send and receive texts in Morse code signals."

It's possible but unlikely that the text would be tinkered with further at the committee level or even in the Plenary, which considers items for adoption. Sumner said delegates continue to wrangle over other aspects of Article 25, which defines Amateur Radio operation.

Adoption of the Article 25.5 modification would not mean the immediate disappearance of the Morse requirement to operate on the amateur bands below 30 MHz. Each administration, including the FCC, would then decide whether or not to drop the requirement from its domestic regulations. Some countries have indicated a desire to retain a Morse code requirement.

Sub-working groups this week funneled their reports to larger working groups assigned to tackle various pieces of the huge WRC-03 agenda. More than 2600 delegates and other participants are attending the four-week conference. For WRC-03, the IARU has fielded its largest team of observers at an ITU conference in more than a decade.

There's less consensus on efforts to secure a "harmonized" 300-kHz-wide amateur allocation at 7 MHz. Sumner said initial discussions in Sub-Working Group 4C1 "were spirited and reflected sharp differences of opinion" between those advocating realignment and those favoring no change out of deference to the disruption that any realignment would cause broadcasting services now occupying 7.1 to 7.3 MHz in Regions 1 and 3, and the fixed services above 7.3 MHz that would be affected by any upward shift in broadcasting. Amateurs in the US and the rest of Region 2 enjoy a 300-kHz allocation from 7.0 to 7.3 MHz, but hams in the rest of the world, Regions 1 and 3, have only 7.0 to 7.1 MHz.

Three alternative proposals have been passed on to Working Group 4C. "The largest group favored realignment in two stages," Sumner explained. That group included the US, CEPT, CITE and the African Telecommunications Union. The two steps would expand the band in Regions 1 and 3 by 100 kHz in 2007 and add the remaining 100 kHz in 2015. Other plans put forth contained longer time lines. By week's end, Sumner said, the issue could be passed on to Committee 4 and then to the Plenary, where items need two readings for ultimate WRC-03 approval.

The issue of an allocation for satellite-borne synthetic aperture radars (SARs) in the 70-cm band (432-438 MHz) also appears well on the way to resolution. "While it appears very likely that there will be an allocation, it will be secondary," Sumner explained.

Full reports on WRC-03 activities are available on the IARU Web site <<http://www.iaru.org/news-releases.html>>.

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# INTERNATIONAL PHARMACISTS HAM GROUP

[www.malpensa.it/iphg/index.htm](http://www.malpensa.it/iphg/index.htm)

The I.P.H.G. is happy to present to all OM, YL and SWL over the world the **I.P.H.G. Award**. To claim this Award it is necessary to exchange a QSO / HRD with I.P.H.G. members (see the list at the URL above).

**First Class:** to get this Award, 6 contacts / heards with 6 I.P.H.G. members are required: one each Continent (Europe, North America, South America, Africa, Asia, and Oceania).

**Second Class:** 5 contacts / heards with 5 members in 5 different Continents.

**Third Class:** 4 contacts / heards with 4 members in 4 different Continents OR 8 contacts / heards with 8 different I.P.H.G. members regardless of Continent.

**EASY:** QSL cards are not required to claim the Award: applicants should fill the proper FORM and send it on-line to the Award Manager IK2UVR. The Manager will verify the existence of the contacts from the mentioned I.P.H.G. members, then, if all is OK, the Award will be sent to the applicants as PDF file, ready to be printed by themselves with a common inkjet printer.

**NO FEE, NO TIME WASTED:** applicants will get their Awards, free of costs, in a few days, just the time to verify their contacts. For SWLs: always indicate the other station in QSO with the I.P.H.G. member.

**NO TIME RESTRICTIONS:** any contact / heard made in any time is valid. **NEITHER BAND NOR MODE RESTRICTIONS:** any band and any mode is valid.

Contacts can be made with all different callsigns owned by the applicants during their activity as Radio Amateurs, please indicate in the Application Form the Callsign used, if different from your present Callsign.

**REMEMBER:** I.P.H.G. Members meet every 18th day of any month on their monitor QRGs: 28.318, 21.318, 14.318, 7.098 and 3.618 MHz.

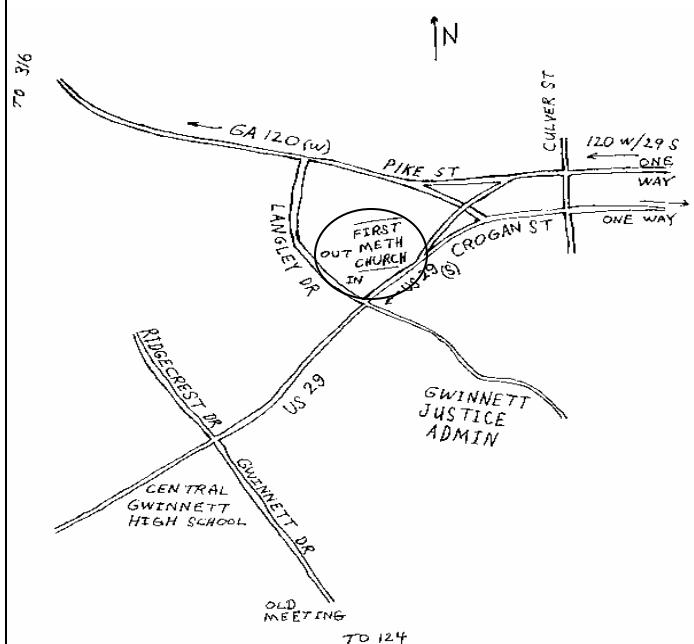
Andrea Pagliula, IZ7ECB, I.P.H.G. # 001,  
Co-founder with Pier Luigi Anzini, IK2UVR

## Late Breaking News on 40M!

From the ARRL web site [www.arrl.org](http://www.arrl.org).  
July 3, 2003

**Radio History is Made at WRC-03 with 7-MHz Re-alignment Compromise** -- There's good news from World Radiocommunication Conference 2003 (WRC-03) for 40-meter enthusiasts. In an 11th-hour compromise, delegates to WRC-03, which wraps up officially July 4, agreed to move broadcasters out of 7100 to 7200 kHz in Regions 1 and 3 to make room for the Amateur Service. The agreement eventually will mean a 200-kHz worldwide allocation at 40 meters. Although the change does not go into effect until 2009, that's considered speedy in International Telecommunication Union (ITU) terms. Some of the timelines proposed during discussions on the 7 MHz agenda item would have held off the changes until 2033! The WRC-03 action on 7 MHz makes no change in the exclusive US 40-meter allocation. US amateurs will continue to enjoy the full 7000 to 7300 kHz band they now have.

### Club Meeting Site Lawrenceville First United Methodist Church



### Metro Atlanta Club Meetings

**First Tuesday**  
**Kennehoochee ARC**  
 First United Methodist Church in  
 Marietta  
 Meeting begins at 7:30 PM  
 Talk In 146.880(-)

**Second Monday**  
**Georgia Tech ARC**  
 Room W218  
 Van Leer Electrical Engineering  
 Bldg.  
 Georgia Tech Campus  
 Meeting at 7:00 PM

**First Thursday**  
**Atlanta Radio Club**  
 Georgia Red Cross HQ  
 1955 Monroe Dr., Atlanta  
 Meeting is at 7:30 PM  
 Talk In -146.820(-)

**N.E. Georgia ARC**  
 209 Athens St.  
 Jefferson  
 Meeting is at 7:00 PM  
 Talk In - 147.225(+)  
 PL 123.0

**North Fulton Amateur Radio League**  
 Southern Skillet  
 1037 Alpharetta St., Roswell  
 Dinner at 6:30 PM, meeting at 7:30  
 PM  
 Talk In - 145.47(-)

**Second Thursday**  
**Alford Memorial Radio Club**  
 Annistown Road Baptist Church  
 Intersection of Annistown Rd &  
 Spain Rd  
 Stone Mountain  
 Dinner at 6:00 PM  
 Meeting at 7:30 PM  
 Talk In - 146.760(-)

**First Saturday**  
**North GA QRP Club**  
 Wieuca Baptist Church on  
 Peachtree Rd/Wieuca, 10 AM

### Metro Atlanta VE Exam Schedule

**GARS** publishes Metro Atlanta area VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at [www.qsl.net/arrl-ga](http://www.qsl.net/arrl-ga).

#### First Sunday, Even Months

WCARS VEC  
 2:00 PM  
 Johnson High School 3305 Poplar  
 Springs RD, Gainesville Terry Jones,  
 W4TL (770)967-6364

#### Third Saturday

CA VEC  
 9:00AM  
 Marietta First United Methodist  
 Church Room 305, 56 Whitlock Ave  
 Marietta  
 David Still, WB4RRD  
 (770) 973-2566

#### First Saturday, Even Months

9:00AM  
 EOC Building  
 Butch Nitz, AF4FS (770) 968-8780

#### Fourth Tuesday

ARRL VEC  
 7:00 PM  
 United Way Service Center  
 6279 Fairburn Road, Douglasville  
 Jessie Clower, KB4WFK  
 (770)942-6466.

#### Fourth Friday

W5YI VEC  
 7:00 PM  
 St. John Neumann Church  
 801 Tom Smith Road Lilburn  
 Headphones Provided! Howie Gould,  
 W9HG (770)921-8362

#### Fourth Sunday

2:30 PM  
 Georgia Tech Student Center  
 Room 301  
 David Ziskind, KE4QLH  
 (404) 966-6864

### GARS Communication System

#### 6 Meter Repeater

53.110 (-1 MHz)  
 82.5 PL Tone

#### 2 Meter Repeater

147.075(+) MHz  
 82.5 PL Tone

#### 70 Cm Repeater

444.525(+) MHz  
 82.5 PL Tone

#### APRS

144.390 -- 1200 Baud  
 W4GR/Relay

#### Main Repeater Site

Oak Street, Lawrenceville

#### Backup Repeater Site

Lanier Mountain, Snellville

#### Remote Receive Sites

Bogart Road, Buford  
 Goshen Springs Road, Norcross  
 Lanier Mountain, Snellville



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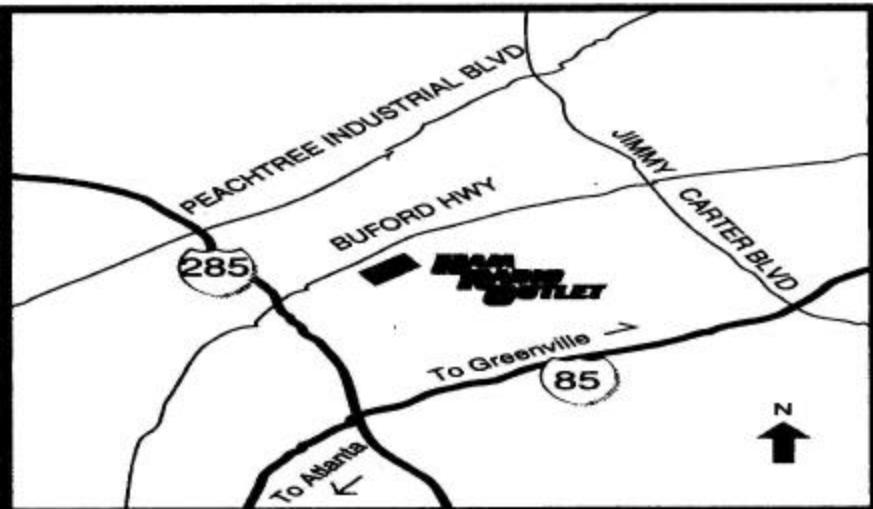


# **HAM RADIO OUTLET**

**Mark Holmes**  
Manager  
KJ4VO

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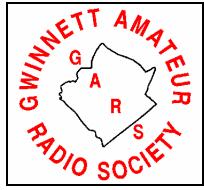
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Gwinnett Amateur Radio Society

PO Box 88

Lilburn, GA 30048

To receive the **Garzette** via  
email...contact John A. Davis  
WB4QDX [wb4qdx@gars.org](mailto:wb4qdx@gars.org)



### **July 2003**

8th Executive Committee  
(30 minutes before Club  
Meeting)  
8th GARS Club Meeting  
25th VE Session

### **August 2003**

7th Executive Committee  
12th GARS Club Meeting  
22nd VE Session

### **September 2003**

4th Executive Committee  
9th GARS Club Meeting  
26th VE Session